

Aero Design Ltd.

Work Order Control Sheet

Work Order#: 2017-22 Date Opened: 26 January 2017 Title: Fabrication

Aircraft OEM: Bell Aircraft Model: 205/212 Product Type: Rappel System Product Model: Components Quantity: See notes

Work Order Contents

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

N/A
N/A
JC
JC
N/A
JC
N/A
N/A

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

See notes
N/A
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

N/A
JC
JC
N/A
JC

Drawing List

Drawing #	Rev #	Description	Initial or N/A
75824	3	Plug Stn. 105	JC
75830	2	Tube	JC
75831	1	Guide	JC
75832	2	Retainer	JC

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

Traveller

Initial or N/A

Notes:

No instructions available. Manufacture in accordance with standard practices IAW drawings

ordered	complete	
18	17	75824-01 Plug Stn. 105
18	18	75830-01 Tube
18	18	75831-01 Guide
18	18	75832-01 Retainer

Work performed by:

Print: J. Clarke

Sign:

SCA: AD02

Date: 30-Mar-17

ICC / Dual Inspection performed by:

Print: J. Rekve

Sign:

SCA: AD01

Date: 02-Jun-17

Work Order closed by:

Print: J. Clarke

Sign:

SCA: AD02

Date: 02-Jun-17

Approved Manufacturing Facility 73-04

Form 20.0 03

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Retainer

No. of pieces: 18 160R

Manufacturer: Aero Design Ltd

Part No.: ~~80832-01~~ 7583201/g Serial/Batch No.: 16023

TTSN: N/A

TSO: N/A

Rem.: N/A

Work Order No.: 2017-22

Remaining Tasks to be Performed: Machine parts, debur
1/g.

Signature: Dan Pitt

Date: Jan 26th/2017

Lic. No. / SCA AD-07

In Process



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AMF 73-04

In Process

Remarks

- 2 Painted + complete - WO 2017-53 JC 30 MAR 2017
- 16 Anodize complete PO 17045 JC 12 MAY 2017
GRN TAG ISSUED



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AMF 73-04

Nomenclature: Tube No. of pieces: 18 16 pc.

Manufacturer: Aero Design Ltd

Part No.: 75830-01 Serial/Batch No.: 15053

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-22

Remaining Tasks to be Performed: Machine parts, debug
✓ ✓ 21 Feb 2017

Signature: Dw [Signature]

Date: Jan 26th / 2017 Lic. No. / SCA AD-07

In Process



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AMF 73-04

In Process

Remarks

2x complete JC. - WO 2017-53
16x chromed complete - PO 17052 02 JUNE 2017 JC.
GRN TAGS ISSUED



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AMF 73-04

Nomenclature: PLUG SIN 105 No. of pieces: 18 150/K

Manufacturer: AERO DESIGN

Part No.: 75824-01 Serial/Batch No.: PO 16043

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-22

Remaining Tasks to be Performed: TURN OD, DRILL ID, ROUND END
MILL SLOT, ANODIZE
✓gc. ✓gc. ✓gc.

Signature: Jff C.L.

Date: 21 MAR 2017 Lic. No. / SCA AD02

In Process



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AMF 73-04

In Process

Remarks

- 1 OD UNDERSIZE
 - 2 painted + complete - WO 2017-53 JC 30 MAR 2017
 - 15 Anodize complete PO 17045 JC 12 MAY 2017
- GRN TAG ISSUED



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AMF 73-04

Nomenclature: Guide No. of pieces: 18 16 OK

Manufacturer: Aero Design Ltd

Part No.: 75831-01 Serial/Batch No.: 16003

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2617-22

Remaining Tasks to be Performed: Machine parts, deburr
✓ OK - 17 FEB 2017

Signature: Dan Buffi

Date: Jan 26th / 2017 Lic. No. / SCA AD-07

In Process



Aero Design Ltd.

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AMF 73-04

In Process

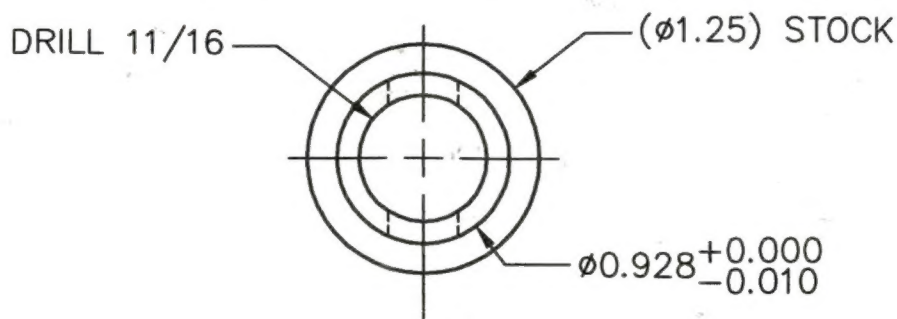
Remarks

-2 Painted + complete - Wo 2017-53 JC 30 MAR 2017
-16 Anodize complete PO 17045 JC. 12 MAY 2017
GRN TAG ISSUED

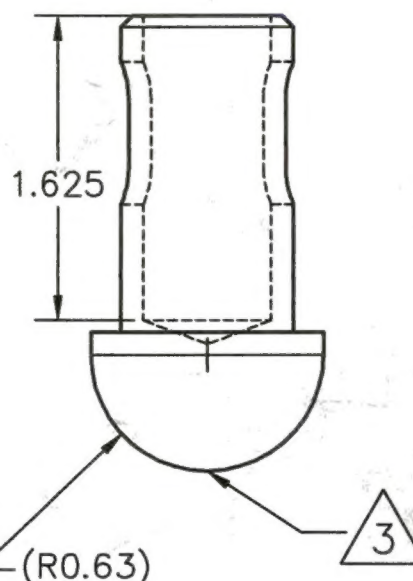
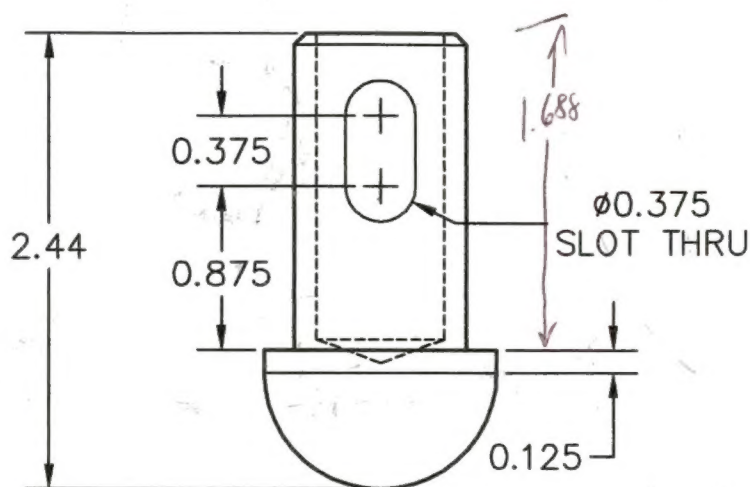
2017-22

x/8

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	REPLACED LOCKNUTS WITH HELICOILS	RR	22/05/08
2	ADDED FINISH SPEC.	RR	30/12/08
3	CHANGED GEOMETRY - HELICOIL REMOVED	RR	14/04/09



Po 16043

Dual insp
OK

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. ITEM 2 "PLUG STN 105" TO BE CLEANED AND ALODINED PER S3001 PRIOR TO ASSY.

3 PRIME AND PAINT ASSY PER S3001. ROUNDED END ONLY.

80824-01	01	PLUG, STN 105	6061-T6 ALUM BAR	ASM-QQ-A-200/8	1.25 DIA
PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

LIST OF MATERIALS

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

NOTICE

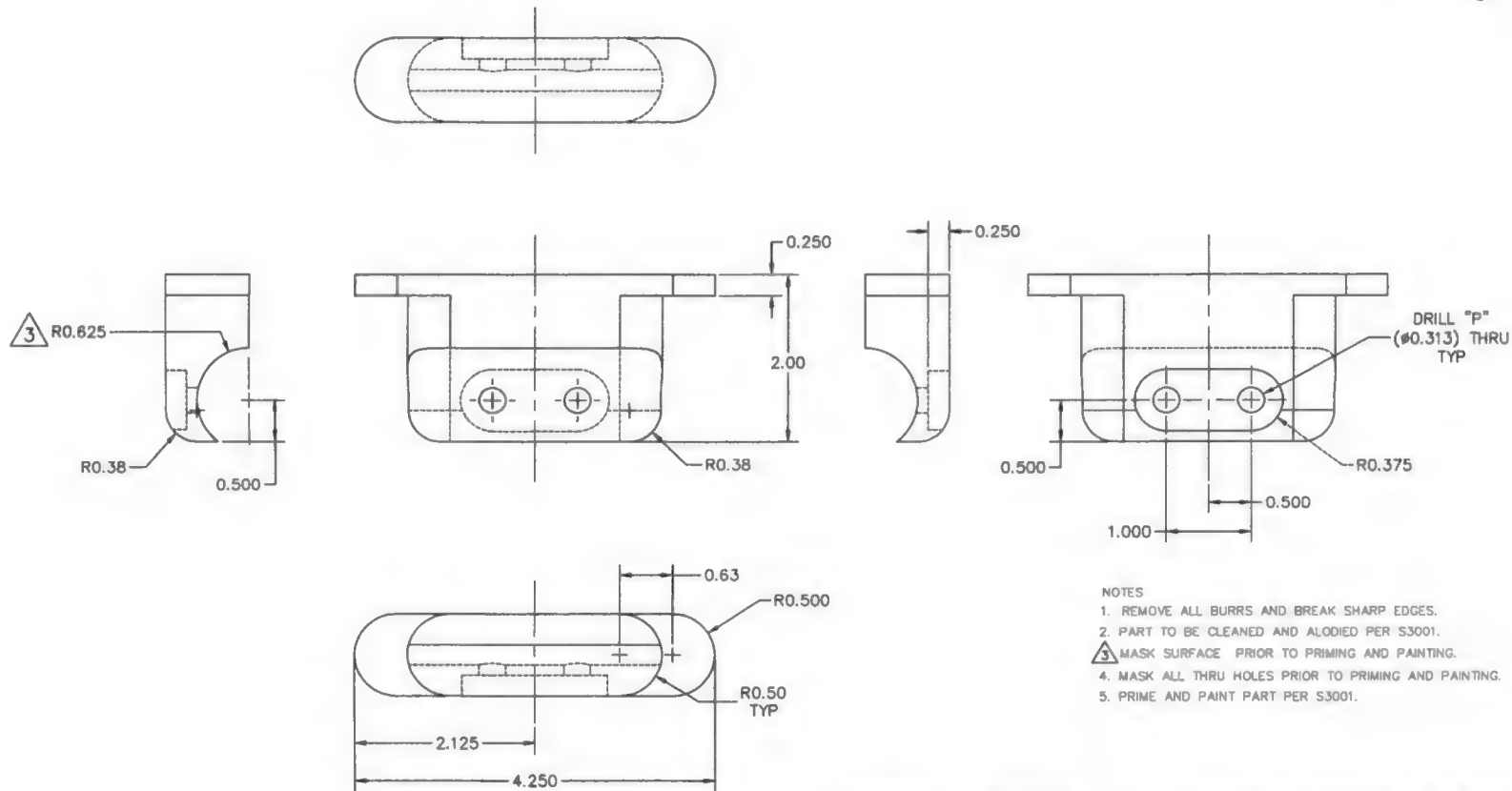
APPROVALS	DATE	AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca			
DRAWN: R. RATHWELL	22/04/08	BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION PLUG, STN 105			
CHECKED: E. BURGAIN					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1		SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
		SHEET 1 OF 1	A4	75824	3

91	Bush
16	Retainer
16	Guide
28	Clamp
54	strap
15	plug
48	1/2 collar

2017-22 x18

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	ADDED FINISH SPEC. CHANGED PART GEOMETRY	RR	30/12/08

1x2 @ 4 3/8 long



NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. PART TO BE CLEANED AND ALLODIED PER S3001.
3. MASK SURFACE PRIOR TO PRIMING AND PAINTING.
4. MASK ALL THRU HOLES PRIOR TO PRIMING AND PAINTING.
5. PRIME AND PAINT PART PER S3001.

1	75831-01	01	GUIDE	6061-T6 ALUM PLATE	ASM-QQ-A-250/11	1.00 THICK
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
APPROVALS DRAWN: R. RATHWELL CHECKED: E. BURGAIN				AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 890M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 Tel: (408) 880-8087 Fax: (408) 880-0933 www.aerodesign.ca		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1				BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION GUIDE		
SCALE 1 : 1 SHEET 1 OF 1				DWG. SIZE	DWG. NO.	REV.
				A2	75831	1

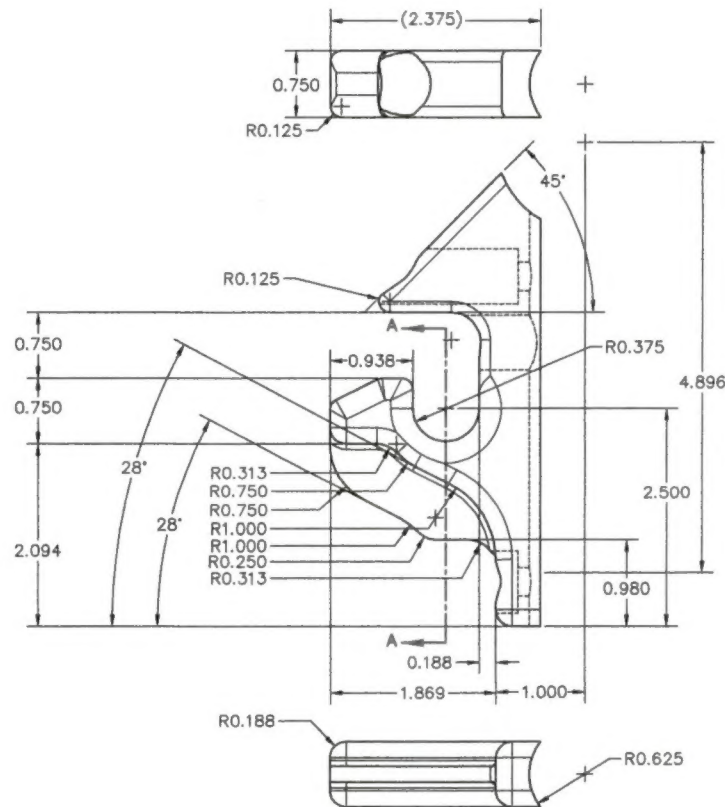
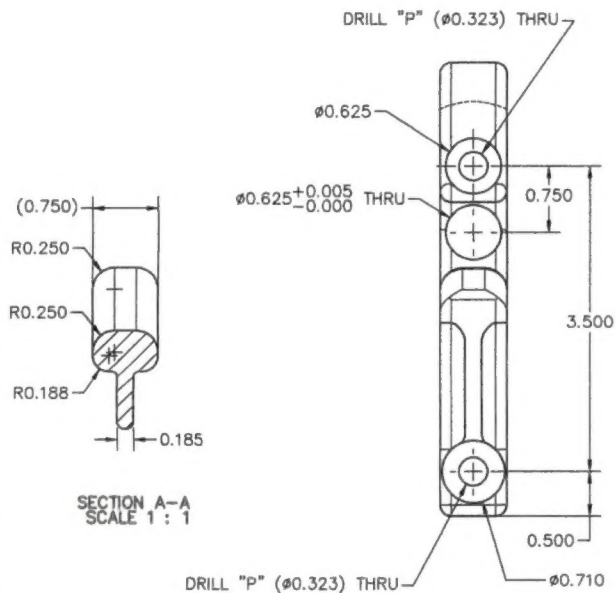
Dual insp. OK

2017-22

x18

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	CHANGE TO FINISH SPEC AND GEOMETRY	RR	30/12/08
2	CHANGE TO GEOMETRY	RR	22/05/09

1x2.5 @ 5 1/4 long



NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. PART TO BE CLEANED, ALODINED, PRIMED AND PAINTED PER S3001.
3. MASK ALL THRU HOLES PRIOR TO PRIMING AND PAINTING.
4. PRIME AND PAINT PART.

	80832-01	01	RETAINER	6061-T651 ALUM PLATE OR 6061-T6 ALUM BAR	ASM-QQ-A-250/11 OR ASM-QQ-A-200/8	MIN 0.75 THICK
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
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DRAWN: R. RARTHWELL		22/04/08				
CHECKED: E. BURGOIN						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1						
SCALE 1 : 1		DWG. SIZE		DWG. NO.		REV.
SHEET 1 OF 1		A2		75832		2

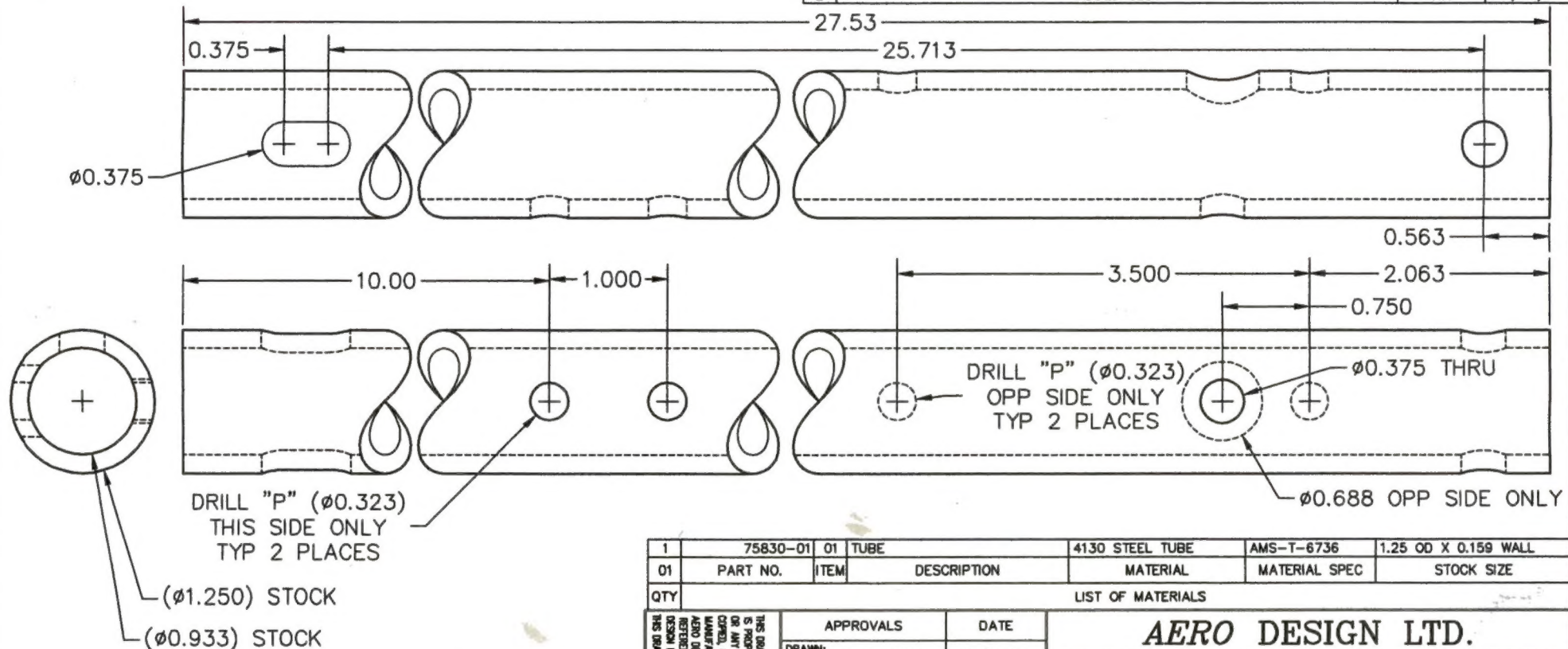
Dual insp. OK

2017-22

x18

Cut @ 27 9/16 +

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	ADDED FINISH SPEC. MODIFIED END HOLE.	RR	30/12/08
2	ADDED SLOT	RR	15/04/09

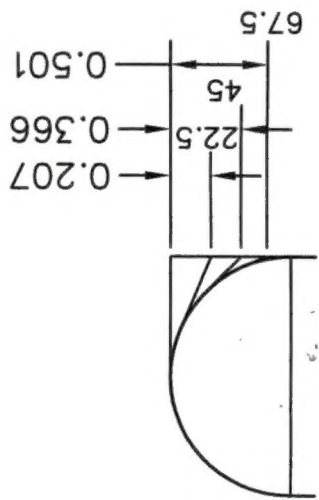
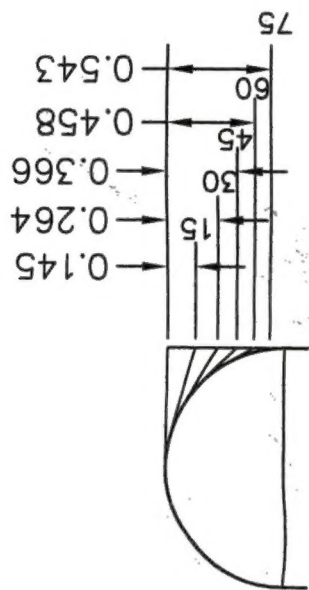


1	75830-01	01	TUBE	4130 STEEL TUBE	AMS-T-6736	1.25 OD X 0.159 WALL
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
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				DATE 22/04/08		
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ± 0.010 $\pm 1/2^\circ$ X.XX ± 0.03 X.X ± 0.1		
				AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 260-8027 fax: (403) 260-8333 www.aerodesign.ca		
				BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION TUBE		
				SCALE 1 : 1	DWG. SIZE	DWG. NO.
				SHEET 1 OF 1	LGL	75830
						REV. 2

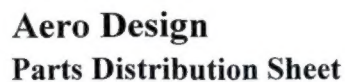
NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. ALL OUTSIDE SURFACES TO BE DEGREASED AND PAINTED PER S3001 PRIOR TO ASSEMBLY.

Dual Insp OK



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WO# 2017-22

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013